

NOTES:

EROSION LOGS-

FLOW

- WOOD STAKE

WOOD STAKE PER - MANUFACTURERS RECOMMENDATION

> CHANNEL BOTTOM

45° TO 60°

FILTER FABRIC MATERIAL

FASTENED TO THE POSTS

APPROX. 6" BY 6" TRENCH

MATERIAL

FILTER FABRIC MATERIAL SECURELY

APPROX. 12" OF FILTER FABRIC MATERIAL MUST EXTEND INTO A TRENCH AND BE ANCHORED WITH COMPACTED BACKFILL

1. WORK SHALL BE PERFORMED IN ACCORDANCE TO STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

2. SILT FENCE AND EROSION CONTROL FEATURES MUST BE INSTALLED PRIOR TO SOIL DISTURBANCE.

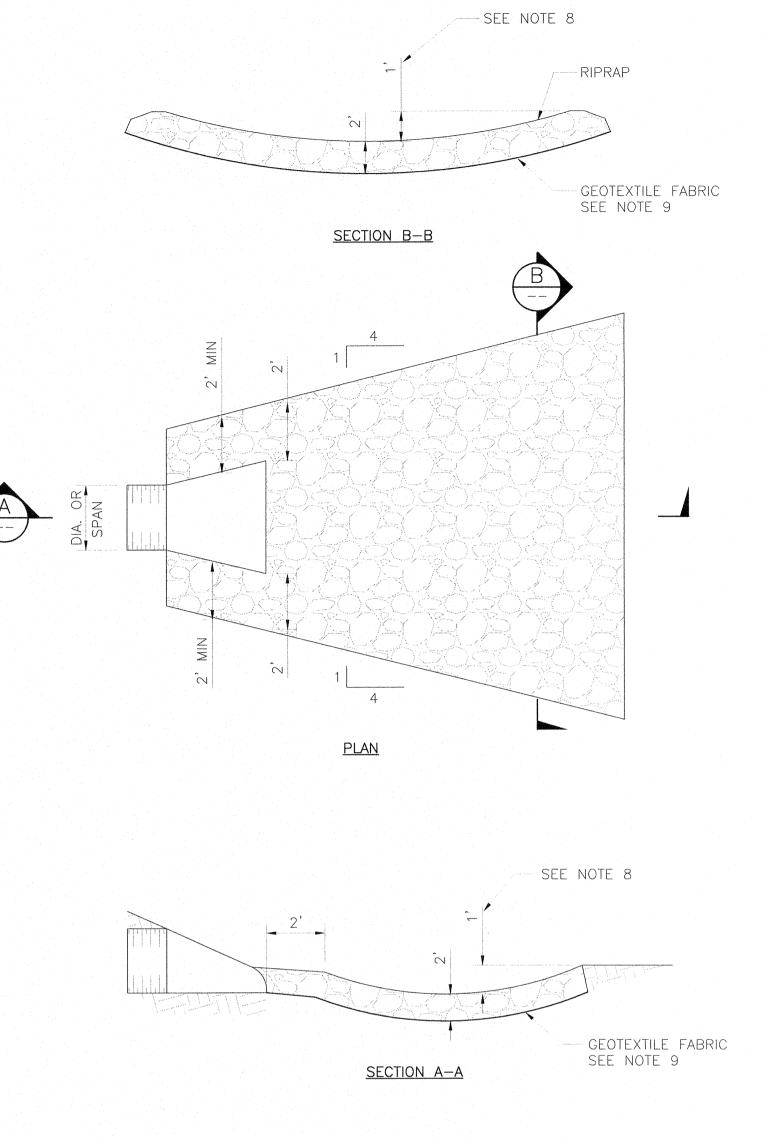
3. SILT FENCE OR OTHER APPROVED BMP MUST BE PLACED TO INTERCEPT RUNOFF FROM TURBINE AREAS, COLLECTION SYSTEM, TRANSMISSION LINES, SUBSTATIONS AND DISTURBED AREAS THAT ARE LOCATED WITHIN 200 FEET OF ANY SURFACE WATER.

4. EROSION LOGS OR CERTIFIED WEED FREE STRAW BALES MAY BE USED AS ALTERNATIVES TO SILT FENCE.

5. REVEGETATION AND RESTORATION ACTIVITIES MUST BE CONDUCTED IN ACCORDANCE WITH THE SITE SPECIFIC RESTORATION AND WEED MANAGEMENT PLAN (ATTACHMENT H OF SWPPP).

6. DITCH PROTECTION: SILT FENCE, CHECK DAMS OR EROSION LOGS SHALL BE IMPLEMENTED ALONG ROADS AND ADJACENT TO SURFACE WATER AND DRY WASH CROSSINGS AS NECESSARY TO PREVENT EROSION IN DITCHES AND TRANSFER OF SEDIMENT.

- 7. REMOVE SOIL TRACKED ONTO IMPERVIOUS ROADS DAILY.
- 8. FOR PIPES GREATER THAN OR EQUAL TO 30", USE 1.5'.
- 9. THE FABRIC SHOULD COVER THE AREA OF THE RIPRAP AND EXTEND UNDER THE CULVERT APRON 3 FEET.



RIPRAP QUANTITIES AT CULVERT OUTLETS

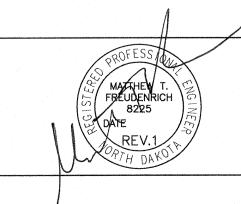
DIA. OF PIPE (INCHES)	L (FEET)	RIPRAP (CU. YD.)
18	10	9.4
24	12	13.0
30	14	17.1
36	16	21.8
42	18	27.0



Α	KKB	CAD	JXB	07/15/11	60 PERCENT SUBMITTAL
В	CAD	CAD	JXB	09/02/11	90 PERCENT SUBMITTAL
0	CAD	CAD	JXB		ISSUED FOR CONSTRUCTION
1	NJG			1/3/13	CONSTRUCTION REVISIONS, NO CHANGES
NO.	BY	снк.	APP.	DATE	REVISION DESCRIPTION

EROSION CONTROL BLANKET

INSTALL PER MANUFACTURER



SECTION: EROSION LOGS (WITH BLANKET)

CLIENT	07/15/11	09/02/11						
BID								
CONSTRUCTION				09/30/11				
PERMITTING								
RECORD								Communication of Colombia Communication
RELEASED	Α	В	С	0	1	2	-3	Corporate Headquarters Minneapolis, Minnesota
TO/FOR		D	ATE	RELEA	SED			Ph: 1-800-632-2277

NOTES:
- 12" DIA. EROSION LOGS

- SPACING ACCORDING TO MANUFACTURER RECOMENDATIONS

	Project Office:	Scale	
	BARR ENGINEERING CO.	Date	
3	4700 WEST 77TH STREET MINNEAPOLIS, MN.	Drawn	
	55435-4803	Checked	
ters:	Ph: 1-800-632-2277 Fax: (952) 832-2601	Designed	
277	www.barr.com	Approved	Г





BISON 3 WIND PROJECT	BARR PROJECT No.	
MORTON & OLIVER COUNTIES, NORTH DAKOTA	34/30-10 CLIENT PROJECT No)06
EROSION CONTROL		
	DWG: No.	REV

C-05

SECTIONS AND DETAILS